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China Notifies New Standard for Multi-nutrient Supplementary Food for Pregnant and Lactating Women (SPS/N/CHN/691)

Report Categories:
FAIRS Subject Report

Approved By:
Michael Riedel

Prepared By:
Jennifer Clever and Ma Jie

Report Highlights:
On October 22, 2014, China notified the WTO of new standards on Multi-nutrient Supplementary Food for Pregnant and Lactating Women as SPS/N/CHN/691. Comments could be sent to the China's SPS Enquiry Point at sps@aqsiq.gov.cn before December 20, 2014. The proposed date of entry into force is to be determined.

This report provides an UNOFFICIAL translation of the standard.

General Information:

National Food Safety Standard

Multi-nutrient Supplementary Food for pregnant and lactating women

(Draft for Comments)

1. Scope

This standard applies to the multi-nutrient supplementary food for pregnant and lactating women.

2. Terms and Definitions

2.1 Nutrition supplement food for pregnant and lactating women

Special dietary supplement food suitable for pregnant and lactating women, made by soy, soy protein products, dairy and dairy protein products as main ingredient(s), added with micronutrients (vitamins and minerals, etc.)

3. Technical requirements

3.1 Daily reference intake of nutrition supplement food for pregnant and lactating women

Maximum daily reference intake of nutrition supplement food for pregnant and lactating women is 50.0 grams.

3.2 Ingredient requirements

3.2.1 The main ingredients should derive from ready-to-eat soy, soy protein products, dairy and dairy protein products, with the premium protein provided accounting for 18%-35% of the recommended daily intake, and the quality meeting the relevant national or industrial standards.

3.2.2 Soy and its processed products should be heat-treated to remove anti-nutritional factors, such as trypsin inhibitor, etc.

3.2.3 Ingredients other than soy, soy protein products, dairy and dairy protein products should meet the relevant national standards and/or provisions of relevant regulations.

3.2.4 The multi-nutrient supplementary food for pregnant and lactating women shall not use hydrogenated oil and fat.

3.3 Sensory requirement

The color, taste, smell and texture of nutrition supplement food for pregnant and lactating women should conform to the characteristics of the products. Visible foreign materials should not be found.

3.4 Essential elements

Contents of essential elements in the nutrition supplement food for pregnant and lactating women after converting into daily intake amount should meet the requirements in table 1.

Table 1 – Essential elements specifications

Nutrients	Content in daily intake amount		Testing method
	Nutrition supplement food for pregnant women	Nutrition supplement food for lactating women	
Iron /(mg)	9~18	7~16	GB/T 5009.90
Vitamin A /(μg RAE)[a]	230~700	400~1200	GB 5413.9
Vitamin D /(μg) [b]	3~10	3~10	GB 5413.9
Folic acid /(μg)	140~400	130~400	GB 5413.16
Vitamin B_{12} / (μg)	1.2~4.8	1.3~5.2	GB 5413.14

[a] RAE is the active equivalent quantity of retinol. 1 μg RAE =3.33 IU Vitamin A=1μg all-trans retinol (Vitamin A). Vitamin A includes only pre-formed retinol. No component of carotenoids shall be included in the calculation and the claim of Vitamin A activity.

[b] Calciferol,1μg vitamin D=40 IU Vitamin D.

3.5 Optional elements

Apart from the essential elements specified in 3.4, if any or more elements listed in Table 2 are selectively added or shown in the label, their contents after converting into daily intake amount should meet the requirements in table 2.

Table 2 – Optional elements specifications

Nutrients	Content in daily intake amount		Testing methods
	Nutrition supplement food for pregnant women	Nutrition supplement food for lactating women	
Calcium /(mg)	300~1000	300~1000	GB/T5009.92
Magnesium/(mg)	110~370	100~330	GB/T 5009.90
Zinc/(mg)	3.0~10.0	4.0~12.0	GB/T 5009.14

Selenium/(μg)	20~55	25~65	GB 5009.93
Vitamin E /(mg α-TE)	4~14	5~17	GB/T 5009.82
Vitamin K /(μg)	24~80	26~85	GB 5413.10
Vitamin B_1 /(mg)	0.6~2.8	0.6~3.0	GB/T 5009.84
Vitamin B_2 /(mg)	0.6~2.8	0.6~3.0	GB/T 5009.85
Vitamin B_6 /(mg)	0.9~4.4	0.7~3.4	GB/T 5009.154
Niacin, (niacinamide) /(mg) [a]	5.0~18.0	6.0~18.0	GB 5413.15
Pantothenic acid /(mg)	2.4~12.0	2.8~14.0	GB/T 5009.210
Choline /(mg)	160~840	200~1040	GB 5413.20
Biotin/(μg)	16~80	20~100	GB 5413.19
Vitamin C/(mg)	40~230	60~300	GB 5413.18
DHA/(mg)	60~200	60~200	GB 5413.27
[a] Niacin does not include its precursors.			

3.6 Levels of Contaminants in Foods

Levels of contaminants in foods should meet the requirements listed in Table 3.

Table 3 - Levels of Contaminants in Foods

Item	Indicator	Testing methods
Lead /(mg/kg) ≤	0.5	GB 5009.12
Total arsenic /(mg/kg) ≤	0.5	GB/T 5009.11
Nitrates(as $NaNO_3$)[a] /(mg/kg) ≤	100	GB 5009.33
Nitrites(as $NaNO_2$)[b]/(mg/kg) ≤	2	GB 5009.33
[a] Not applicable to products added with vegetables and fruit. [b]Applicable only to dairy-based products.		

3.7 Levels of Mycotoxins in Foods

Levels of Mycotoxin in foods should meet the requirements listed in Table 4.

Table 4 - Levels of Mycotoxins in Foods

Item	Indicator	Testing methods
Aflatoxin M_1(μg/kg)[a] ≤	0.5	GB 5009.24
Aflatoxin B_1(μg/kg)[b] ≤	0.5	
[a] Aflatoxin M1 only applies to products with dairy content.		

[b] Aflatoxin B1 only applies to products with contents of cereals, nuts and beans.

3.8 Levels of Microorganisms

Levels of microorganisms should meet the requirements listed in Table 5.

Table 5 - Levels of Microorganisms

Item	Sampling plan[a] and limit (if not specified, shown as CFU/g)				Testing methods
	n	c	m	M	
Coliforms	5	2	10	100	GB 4789.3 plate count method
Salmonella	5	0	0/25g	—	GB 4789.4.
[a] Analysis and treatment of samples shall follow GB 4789.1.					

3.9 Food additives and nutrition fortifications

3.9.1 Usage of food additives should meet the requirements of GB2760.

3.9.2 Usage of nutrition fortifications should meet the requirements of GB14880. Daily supplementation of sodium ferric EDTA by iron should not exceed 10mg.

3.9.3 Quality specifications of food additives and nutrition fortifications should meet the requirements of corresponding standards and regulations.

3.10 Urease activity

Indicator of urease activity in products with soy contents should meet the requirements of table 6.

Table 6 - Indication of urease activity

Item	Indicator	Testing methods
Characterization of urease activity	Negative	GB 5413.31

4. Labeling

4.1 According to the requirements of GB13432, the products should be labeled *Nutrition Supplement Food for Pregnant Women*, *Nutrition Supplement Food for Lactating Women*, and *Nutrition Supplement Food for Pregnant and Lactating Women*, depending on the suitable user group.

4.2 The product label should indicate the suitable user group, with the statement "*This product is not to replace normal diet, This product has been added with micronutrients and should be taken appropriately with similar products."*